

MAR 20 2007

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UNITED STATES PATENT AND TRADEMARK OFFICE		Phone:	(571) 272-8194
Pages:	Cover + 1 + 1 + 1 = 4	Date:	March 20, 2007
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 Georgann S. Grunebach, Reg. No. 33,179
 Telephone No. (310) 964-4615 (Printed Name of Person Signing Certificate)

March 20, 2007
 (Date of Signature)

Attention: Commissioner for Patents**Attorney Docket No. PD-201079**

Please find attached Re:

Serial No.: 09/978,469

Filing Date: 10/17/2001

- REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS
PTO/SB/82 (1 page)
- STATEMENT UNDER 37 CFR 3.73(b) PTO/SB/96 (1 page)
- ASSIGNMENT OF PATENT APPLICATION (1 page)

If you do not receive all pages, or pages are not clear, please call Karen Lum at (310) 964-0735.

The DirecTV Group, Inc., CA/LA1/A109, P. O. Box 956, El Segundo CA 90245

MAR 20 2007

PTO/SB/52 (01-06)

Approved for use through 12/31/2008. OMB 0801-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF
ATTORNEY WITH
NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	09/978,469
Filing Date	October 17, 2001
First Named Inventor	Lou King
Art Unit	2189
Examiner Name	PEIKARI, Behzad
Attorney Docket Number	PD-201079

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

020991

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with
Customer Number:

020991

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature

Karen L. Lum

Name

Karen L. Lum

Date

March 20, 2007

Telephone

310-964-0735

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of one forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/98 (08-08)

Approved for use through 03/31/2007. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: The DIRECTV Group, Inc.Application No./Patent No.: 09/978,469 Filed/Issue Date: October 17, 2001Entitled: Method, System and Computer Program Product for Efficient Storage of DataThe DIRECTV Group, Inc. is a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Karen L. Lum
Signature

March 20, 2007

Date

Karen L. Lum
Printed or Typed Name

310-964-0735

Telephone Number

Assistant Secretary
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, HUGHES NETWORK SYSTEMS, LLC, a Delaware limited liability company having a place of business at 11717 Exploration Lane, Germantown, Maryland, 20876 ("Assignor"), is the owner of U.S. Patent Application Serial No. 09/978,469, filed October 17, 2001 (the "Application").

WHEREAS, Assignor desires to assign all right, title and interest in and to the Application, to The DIRECTV Group, Inc., a Delaware corporation having a place of business at 2230 East Imperial Highway, El Segundo, California, 90245 ("Assignee"); and

NOW THEREFORE, for good and valuable consideration paid by Assignee, the receipt and sufficiency of which is hereby acknowledged Assignor, Assignor hereby assigns, transfers and conveys to the Assignee all of Assignor's right, title and interest in and to the Application, subject to certain exceptions and other terms in associated contractual documents between Assignor and Assignee.

IN WITNESS WHEREOF, the undersigned has caused this instrument to be signed as of this 20th day of March, 2007.

HUGHES NETWORK SYSTEMS, LLC

By: Craig PlastrikName: Craig PlastrikSenior CounselTitle: Intellectual Property

On behalf of HUGHES NETWORK SYSTEMS, LLC

STATE OF Maryland)

) SS:

COUNTY OF Frederick)

On this 20th day of March, 2007, before me personally appeared Craig Plastrik, to me personally known, who, being duly sworn, did say that he is the Senior Counsel of Assignor and that he duly executed the foregoing instrument for and on behalf of Assignor being duly authorized to do so and that said individual acknowledged said instrument to be the free act and deed of Assignor.

WITNESS my hand and official seal.

Virginia L. Fogle
Notary Public